INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (July 1998)

International application No.

PCT/JP03/07417

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl7 H01Q13/08				
INT.CI HUIQI3/U0				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)				
	ocumentation searched (classification system followed by C1 H01Q13/08	y ciassification symbols)		
1110.01 1101910/00				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003				
-				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
Y	JP 8-148921 A (Nippon Sheet 0	Glass Co., Ltd.),	1-3	
A	07 June, 1996 (07.06.96), Par. Nos. [0005] to [0013], [00271: Figs 1 3	4-6	
	(Family: none)	002/1, 1193. 1, 0		
	_	Dlasheir Tuduskois	1-3	
Y A	JP 2000-151259 A (Matsushita Co., Ltd.),	Electric Industrial	1-3 4-6	
**	30 May, 2000 (30.05.00),	<u> </u>		
·	Par. Nos. [0048] to [0056]; F (Family: none)	ig. 1		
A Misao HAISHI, "Saishin Heimen An		Antenna Gijutsu",	4	
	1st edition, Kabushiki Kaisha 25 March, 1993 (25.03.93), IS			
-	pages 216 to 223	·		
Furth	er documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents: "T" later document published after the international filing date or				
"A" document defining the general state of the art which is not considered to be of particular relevance understand the principle or theory underlying the invention			lerlying the invention	
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an inventive			ered to involve an inventive	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" step when the document is taken alone document of particular relevance; the claimed invention cannot				
special reason (as specified) special reason (as specified) considered to involve an inventive step when the documer combined with one or more other such documents, such			p when the document is	
means		combination being obvious to a perso	n skilled in the art	
than the priority date claimed				
Date of the actual completion of the international search 29 July, 2003 (29.07.03)		Date of mailing of the international sear 12 August, 2003 (1)	rch report 2.08.03)	
29 0	July, 2003 (23.01.03)	12 1149450, 2005 (1)		
Name and mailing address of the ISA/		Authorized officer		
Japanese Patent Office				
Facsimile No.		Telephone No.		

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Box 1 Observations where certain claims were found unsearchable (Continuation of item 2 of irrst sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claims Nos.:	i		
because they relate to subject matter not required to be searched by this Authority, namely:			
Contains and the first and the	1		
$oldsymbol{\cdot}$			
2. X Claims Nos.: 4			
because they relate to parts of the international application that do not comply with the prescribed requirements to	such an		
extent that no meaningful international search can be carried out, specifically:	1		
It is unclear from what "a second linear functional relation" ar	nd "an		
Caponential randoronal relation of the second	e is a		
passage on page 5 of the discription that "Thus a circular polarization a	ntenna		
is (continued to extra sheet)	'		
3. Claims Nos.:			
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6).4(a).		
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
	İ		
	l l		
. •			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all	searchable		
claims.	1		
Claims.			
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite	payment		
of any additional fee.			
3. As only some of the required additional search fees were timely paid by the applicant, this international search re	port covers		
only those claims for which fees were paid, specifically claims Nos.:			
	·		
	. •		
4. No required additional search fees were timely paid by the applicant. Consequently, this international search repo	ort is		
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Demont on Protect			
Remark on Protest	•		
No protest accompanied the payment of additional search fees.			

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Continuation of Box No. I-2 of continuation of first sheet(1)

obtained ... near a predetermined frequency". However the meaning of "having a favorable radiation characteristic" is unclear.

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